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Quarterly Progress Report for Skylab EREP Investigation

NASA Lewis Contract No. C-21372-C

Principal Investigation: Dr. David C. Sweet -
State of Ohio

Reporting Period - April-May-June 1973

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TRUTH DATA FOR SKYLAB EREP] Quarterly
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The primary activity during this period was premission and overflight coordination. Aircraft underflight requirements were defined and revised. Principal revision was in the Columbus - East Liberty Test Site due to the variance of the spacecraft orbit. Ground truth activities were undertaken in the Cleveland and Cuyahoga Valley areas during EREP overpass and aircraft underflight. These were primarily radiometric surveys. Some thermal surveys were conducted the week after EREP overpass by Battelle, Ohio EPA, and Ohio Department of Economic and Community Development personnel using a Precision Radiation Thermometer on loan from NASA Lewis. There is some doubt as to the accuracy of these readings due to the apparent difference in readings as the instrument is set at varying angles.

Recommendations

None at this time.

Expected Accomplishments

During the next reporting period it is likely that data for the Cleveland area will be received and a land use map of the immediate Cleveland area completed. Progress in the area south of Cleveland will be dependent on the quality of data for this area and time available. It is also expected that

S.L.-3 will give coverage of the Columbus Site with necessary underflight and ground truth activities being conducted.

Significant Results

None at this time.

Summary Outlook

Overall outlook remains good but is dependent on quality of the data south of Cleveland and on obtaining data for the Columbus Site during SL-3 or SL-4.